



SEQUENCE LISTING

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Packard, Beverly

<120> COMPOSITIONS FOR THE DETECTION OF ENZYME ACTIVITY IN BIOLOGICAL
SAMPLES AND METHODS OF USE THEREOF

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<151> 1997-02-20

<160> 257

<170> PatentIn version 3.0

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<211> 12

<212> PRT

<213> Artificial/Unknown

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Lys Asp Xaa Thr Gly Arg Thr Gly Pro Lys Gly Tyr
1 5 10

<210> 2

<211> 14

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<400> 2

Lys Asp Pro Pro Thr Gly Arg Thr Gly Pro Pro Lys Gly Tyr
1 5 10

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Lys Asp Xaa Asp Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
1 5 10

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Lys Asp Xaa Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
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Lys Asp Tyr Xaa Ala Asp Gly Ile Asp Pro Lys Gly Tyr
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Lys Asp Ala Ile Pro Met Ser Ile Pro Lys Gly Tyr
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Lys Asp Xaa Xaa Gly Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro Lys
 1 5 10 15

Gly Tyr

<210> 14
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Lys	Asp	Xaa	Xaa	Gly	Asp	Glu	Val	Asp	Gly	Ile	Asp	Gly	Xaa	Pro	Lys
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Gly Tyr

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Lys	Asp	Tyr	Asx	Ala	Asp	Gly	Ile	Asp	Pro	Lys	Gly	Tyr
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Lys Asp Pro Xaa Gly Asp Glu Val Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 17
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<400> 18

Lys Asp Pro Xaa Gly Xaa Asp Glu Val Asp Gly Ile Asn Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 19
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Lys Asp Pro Xaa Gly Asp Glu Val Asp Gly Ile Asn Gly Pro Lys Gly
1 5 10 15

Tyr

<210> 20
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Lys Asp Pro Gly Asp Glu Val Asp Gly Ile Asn Gly Xaa Pro Lys Gly
1 5 10 15

Tyr

<210> 21

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Lys Asp Pro Xaa Gly Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro Lys
1 5 10 15

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1 5 10 15

Gly Tyr

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Lys Asp Pro Xaa Gly Asp Phe Val Asp Gly Ile Asn Gly Xaa Pro Lys
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Gly Tyr

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1 5 10 15

Gly Tyr

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1 5 10 15

Gly Tyr

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1 5 10 15

Gly Tyr

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Lys Asp Xaa Xaa Gly Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 28
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Lys Asp Xaa Xaa Gly Asp Glu Val Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

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 1 5 10 15

Gly Tyr

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Lys Gly Tyr

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Lys Asp Xaa Xaa Gly Asn Glu Val Asp Gly Ile Asp Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

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1 5 10 15

Gly Tyr

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Lys Asp Xaa Xaa Gly Asn Glu Val Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

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1 5 10 15

Gly Tyr

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Lys Asp Xaa Xaa Gly Asn Glu Val Asn Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 36

<211> 19

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<223> X is tetrahydroisoquinoline-3-carboxylic acid

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Lys Asp Xaa Xaa Gly Xaa Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro
1 5 10 15

Lys Gly Lys

<210> 37

<211> 19

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<400> 37

Lys Asp Xaa Xaa Gly Xaa Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

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Lys Asp Xaa Xaa Gly Trp Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 39
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Lys Asp Xaa Xaa Gly Trp Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 40
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Lys Asp Xaa Xaa Gly Xaa Xaa Asp Glu Val Asp Gly Ile Asp Gly Xaa
1 5 10 15

Pro Lys Gly Tyr
20

<210> 41
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<400> 41

Lys Asp Xaa Xaa Gly Trp Trp Asp Glu Val Asp Gly Ile Asp Gly Xaa
1 5 10 15

Pro Lys Gly Tyr
20

<210> 42

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<400> 42

Lys Asp Xaa Tyr Val Ala Asp Gly Ile Asp Pro Lys Gly Tyr
1 5 10

<210> 43
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<400> 43

Lys Asp Xaa Tyr Val Ala Asp Gly Ile Asn Pro Lys Gly Tyr
1 5 10

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<400> 44

Lys Asp Xaa Tyr Val Ala Asn Gly Ile Asn Pro Lys Gly Tyr
1 5 10

<210> 45
<211> 16
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<400> 45

Lys	Asp	Xaa	Gly	Tyr	Val	Ala	Asp	Gly	Ile	Asp	Gly	Pro	Lys	Gly	Tyr
1				5					10					15	

<210> 46

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<400> 46

Lys	Asp	Xaa	Gly	Tyr	Val	Ala	Asp	Gly	Ile	Asn	Gly	Pro	Lys	Gly	Tyr
1				5					10					15	

<210> 47

<211> 16

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<400> 47

Lys	Asp	Xaa	Gly	Tyr	Val	Ala	Asn	Gly	Ile	Asn	Gly	Pro	Lys	Gly	Tyr
1				5					10					15	

<210> 48

<211> 18

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<222> (14)..(14)

<223> X is epsilon aminocaproic acid

<220>

<221> MOD_RES

<222> (4)..(4)
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<400> 48

Lys Asp Xaa Xaa Gly Tyr Val Ala Asp Gly Ile Asp Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 49
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<400> 49

Lys Asp Xaa Xaa Gly Tyr Val Ala Asn Gly Ile Asp Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 50
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<223> X is epsilon aminocaproic acid

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<400> 50

Lys Asp Xaa Xaa Gly Tyr Val Ala Asn Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 51

<211> 18

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<220>

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<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 51

Lys Asp Xaa Xaa Gly Tyr Val Ala Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 52

<211> 18

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<223> X is Aib

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Lys Asp Xaa Xaa Gly Tyr Val Ala Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 53
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<400> 53

Lys Asp Pro Xaa Gly Leu Val Glu Ile Asp Asn Gly Xaa Pro Lys Gly
1 5 10 15

Tyr

<210> 54
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<400> 54

Lys Asp Pro Xaa Gly Leu Val Glu Ile Glu Asn Gly Xaa Pro Lys Gly
 1 5 10 15

Tyr

<210> 55
 <211> 14
 <212> PRT
 <213> artificial sequence

<220>
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 <223> X is Aib

<400> 55

Lys Asp Xaa Leu Val Glu Ile Asp Asn Gly Pro Lys Gly Tyr
 1 5 10

<210> 56
 <211> 16
 <212> PRT
 <213> artificial sequence

<220>
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<223> X is Aib

<400> 56

Lys Asp Xaa Gly Leu Val Glu Ile Asp Asn Gly Gly Pro Lys Gly Tyr
1 5 10 15

<210> 57

<211> 18

<212> PRT

<213> artificial sequence

<220>

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<223> X is Aib

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<223> X is epsilon-aminocaproic acid

<220>

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<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 57

Lys Asp Xaa Xaa Gly Leu Val Glu Ile Asp Asn Gly Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 58

<211> 18

<212> PRT

<213> artificial sequence

<220>

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<223> X is epsilon-aminocaproic acid

<220>

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<223> X is epsilon aminocaproic acid

<400> 58

Lys Asp Xaa Xaa Gly Leu Val Glu Ile Asn Asn Gly Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 59
<211> 18
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<220>
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<220>
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<220>
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<222> (4)..(4)
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<400> 59

Lys Asp Pro Xaa Gly Ile Glu Thr Glu Ser Gly Val Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 60
<211> 16
<212> PRT
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<220>
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<400> 60

Lys Asp Pro Xaa Gly Ile Glu Thr Asp Ser Gly Xaa Pro Lys Gly Tyr
1 5 10 15

<210> 61
<211> 16
<212> PRT
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<220>
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<400> 61

Lys Asp Pro Xaa Gly Ile Glu Thr Glu Ser Gly Xaa Pro Lys Gly Tyr
1 5 10 15

<210> 62
<211> 17
<212> PRT
<213> artificial sequence

<220>
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<400> 62

Lys Asp Xaa Gly Ile Glu Thr Asp Ser Gly Val Asp Asp Pro Lys Gly

1 5 10 15

Tyr

<210> 63
<211> 17
<212> PRT
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<220>
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<400> 63

Lys Asp Xaa Gly Ile Glu Thr Asn Ser Gly Val Asp Asp Pro Lys Gly
1 5 10 15

Tyr

<210> 64
<211> 19
<212> PRT
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<220>
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<400> 64

Lys Asp Xaa Gly Gly Ile Glu Thr Asp Ser Gly Val Asp Asp Gly Pro
1 5 10 15

Lys Gly Tyr

<210> 65
<211> 17
<212> PRT
<213> artificial sequence

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<400> 65

Lys Asp Xaa Gly Gly Ile Glu Thr Asn Ser Gly Val Gly Pro Lys Gly

1 5 10 15

Tyr

<210> 66
 <211> 17
 <212> PRT
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<220>
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<220>
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<400> 66

Lys Asp Xaa Xaa Gly Ile Glu Thr Asp Ser Gly Val Xaa Pro Lys Gly
 1 5 10 15

Tyr

<210> 67
 <211> 17
 <212> PRT
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<220>
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 <222> (4)..(4)
 <223> X is epsilon aminocaproic acid

<400> 67

Lys Asp Xaa Xaa Gly Ile Glu Thr Asn Ser Gly Val Xaa Pro Lys Gly
1 5 10 15

Tyr

<210> 68

<211> 19

<212> PRT

<213> artificial sequence

<220>

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<223> X is epsilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 68

Lys Asp Xaa Xaa Gly Gly Ile Glu Thr Asp Ser Gly Val Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 69

<211> 19

<212> PRT

<213> artificial sequence

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<220>
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<400> 69

Lys Asp Xaa Xaa Gly Gly Ile Glu Thr Asn Ser Gly Val Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 70
<211> 19
<212> PRT
<213> artificial sequence

<220>
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<400> 70

Lys Asp Xaa Gly Ser Glu Ser Met Asp Ser Gly Ile Ser Leu Asp Pro
1 5 10 15

Lys Gly Tyr

<210> 71
<211> 17
<212> PRT
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<220>
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<400> 71

Lys Asp Xaa Gly Gly Ser Glu Ser Met Asp Ser Gly Gly Pro Lys Gly
1 5 10 15

Tyr

<210> 72
<211> 19
<212> PRT
<213> artificial sequence

<220>
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<223> X is epsilon-aminocaproic acid

<220>
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<223> X is epsilon aminocaproic acid

<400> 72

Lys Asp Xaa Xaa Gly Gly Ser Glu Ser Met Asp Ser Gly Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 73
<211> 19
<212> PRT
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<220>
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<220>
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<222> (4)..(4)
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<400> 73

Lys Asp Xaa Xaa Gly Asp Val Val Cys Cys Ser Met Ser Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 74
 <211> 19
 <212> PRT
 <213> artificial sequence

<220>
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<220>
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 <222> (4)..(4)
 <223> X is epsilon aminocaproic acid

<400> 74

Lys Asp Xaa Xaa Gly Asp Val Val Cys Asp Ser Met Ser Gly Xaa Pro
 1 5 10 15

Lys Gly Tyr

<210> 75
 <211> 19
 <212> PRT
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<220>
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<220>
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 <222> (15)..(15)
 <223> X is episilon-aminocaproic acid

<220>
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<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 75

Lys Asp Xaa Xaa Gly Asp Val Val Cys Cys Ser Met Ser Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 76
<211> 19
<212> PRT
<213> artificial sequence

<220>
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<220>
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<223> X is epsilon-aminocaproic acid

<220>
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<223> X is epsilon aminocaproic acid

<400> 76

Lys Asp Xaa Xaa Gly Asp Val Val Cys Asp Ser Met Ser Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 77
<211> 19
<212> PRT
<213> artificial sequence

<220>
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<223> X is Aib

<220>

<221> MOD_RES

<222> (12)..(12)

<223> M is D form

<220>

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<222> (15)..(15)

<223> X is epsilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 77

Lys Asp Xaa Xaa Gly Asp Val Val Cys Cys Pro Met Ser Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 78

<211> 18

<212> PRT

<213> artificial sequence

<220>

<221> MOD_RES

<222> (3)..(3)

<223> X is Aib

<220>

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<222> (14)..(14)

<223> X is epsilon-aminocaproic acid

<220>

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<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 78

Lys Asp Xaa Xaa Gly Glu Asp Val Val Cys Cys Ser Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 79
<211> 18
<212> PRT
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<220>
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<220>
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<223> X is episilon-aminocaproic acid

<220>
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<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 79

Lys Asp Xaa Xaa Gly Glu Asp Val Val Cys Asp Ser Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 80
<211> 18
<212> PRT
<213> artificial sequence

<220>
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<220>
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<223> X is episilon-aminocaproic acid

<220>
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<222> (8)..(8)
<223> V is D form

<220>
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 <222> (4)..(4)
 <223> X is epsilon aminocaproic acid

<400> 80

Lys	Asp	Xaa	Xaa	Gly	Glu	Asp	Val	Val	Cys	Cys	Pro	Gly	Xaa	Pro	Lys
1				5					10				15		

Gly Tyr

<210> 81
 <211> 18
 <212> PRT
 <213> artificial sequence

<220>
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 <223> X is Aib

<220>
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<220>
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 <222> (8)..(8)
 <223> V is D form

<220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> X is epsilon aminocaproic acid

<400> 81

Lys	Asp	Xaa	Xaa	Gly	Glu	Asp	Val	Val	Cys	Asp	Pro	Gly	Xaa	Pro	Lys
1				5					10				15		

Gly Tyr

<210> 82
 <211> 19
 <212> PRT
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<220>

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<220>
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<223> X is epsilon-aminocaproic acid

<220>
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<223> M is D form

<220>
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<222> (7)..(7)
<223> V is D form

<220>
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<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 82

Lys Asp Xaa Xaa Gly Asp Val Val Cys Cys Ser Met Ser Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 83
<211> 19
<212> PRT
<213> artificial sequence

<220>
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<220>
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<223> X is episilon-aminocaproic acid

<220>

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<222> (8)..(8)

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<220>

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<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 83

Lys	Asp	Xaa	Xaa	Gly	Asp	Val	Val	Cys	Asp	Ser	Met	Ser	Gly	Xaa	Pro
1				5				10						15	

Lys Gly Tyr

<210> 84

<211> 19

<212> PRT

<213> artificial sequence

<220>

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<222> (3)..(3)

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<222> (7)..(7)

<223> V is D form

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 84

Lys Asp Xaa Xaa Gly Asp Val Val Cys Cys Pro Met Ser Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 85

<211> 18

<212> PRT

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<220>

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<220>

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<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 85

Lys Asp Xaa Xaa Gly Asp Val Val Cys Cys Ser Met Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 86

<211> 18

<212> PRT

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<220>

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<223> X is epsilon-aminocaproic acid

<220>
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 <222> (4)..(4)
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<400> 86

Lys Asp Xaa Xaa Gly Asp Val Val Cys Asp Ser Met Gly Xaa Pro Lys
 1 5 10 15

Gly Tyr

<210> 87
 <211> 16
 <212> PRT
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<220>
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<400> 87

Lys Asp Xaa Xaa Gly Val Cys Cys Ser Met Gly Xaa Pro Lys Gly Tyr
 1 5 10 15

<210> 88
 <211> 16
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<220>
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<400> 88

Lys Asp Xaa Xaa Gly Val Cys Asp Ser Met Gly Xaa Pro Lys Gly Tyr
1 5 10 15

<210> 89
<211> 19
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<220>
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<400> 89

Lys Asp Xaa Xaa Gly Asp Glu Met Glu Glu Cys Ser Gln His Leu Pro
1 5 10 15

Lys Gly Tyr

<210> 90
<211> 19
<212> PRT
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<220>
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<400> 90

Lys Asp Xaa Xaa Gly Asp Glu Met Glu Glu Cys Pro Gln His Leu Pro
 1 5 10 15

Lys Gly Tyr

<210> 91
 <211> 19
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<220>
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<220>
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 <222> (4)..(4)
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<400> 91

Lys Asp Xaa Xaa Gly Asp Glu Met Glu Glu Asp Ser Gln His Leu Pro
 1 5 10 15

Lys Gly Tyr

<210> 92
 <211> 18
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<220>
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 <222> (4)..(4)
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<400> 92

Lys Asp Xaa Xaa Gly Glu Met Glu Glu Cys Ser Gln His Leu Pro Lys
 1 5 10 15

Gly Tyr

<210> 93

<211> 18
<212> PRT
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<400> 93

Lys	Asp	Xaa	Xaa	Gly	Glu	Met	Glu	Glu	Cys	Pro	Gln	His	Leu	Pro	Lys
1				5					10					15	

Gly Tyr

<210> 94
<211> 18
<212> PRT
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<400> 94

Lys	Asp	Xaa	Xaa	Gly	Glu	Met	Glu	Glu	Asp	Ser	Gln	His	Leu	Pro	Lys
1				5					10					15	

Gly Tyr

<210> 95
<211> 19
<212> PRT
<213> artificial sequence

<220>
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<223> X is Aib

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 95

Lys Asp Xaa Xaa Gly Glu Met Glu Glu Cys Ser Gln His Leu Gly Pro
1 5 10 15

Lys Gly Tyr

<210> 96

<211> 19

<212> PRT

<213> artificial sequence

<220>

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<222> (3)..(3)

<223> X is Aib

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 96

Lys Asp Xaa Xaa Gly Glu Met Glu Glu Cys Pro Gln His Leu Gly Pro
1 5 10 15

Lys Gly Tyr

<210> 97

<211> 19

<212> PRT

<213> artificial sequence

<220>

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<222> (3)..(3)

<223> X is Aib

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<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 97

Lys Asp Xaa Xaa Gly Glu Met Glu Glu Asp Ser Gln His Leu Gly Pro
1 5 10 15

Lys Gly Tyr

<210> 98

<211> 20

<212> PRT

<213> artificial sequence

<220>

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<220>

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<222> (16)..(16)

<223> X is episilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 98

Lys Asp Xaa Xaa Gly Glu Met Glu Glu Cys Ser Gln His Leu Gly Xaa
1 5 10 15

Pro Lys Gly Tyr
20

<210> 99

<211> 20

<212> PRT

<213> artificial sequence

<220>

<221> MOD_RES

<222> (3)..(3)

<223> X is Aib

<220>

<221> MOD_RES

<222> (16)..(16)

<223> X is episilon-aminocaproic acid

<220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> X is epsilon aminocaproic acid

<400> 99

Lys Asp Xaa Xaa Gly Glu Met Glu Glu Cys Pro Gln His Leu Gly Xaa
 1 5 10 15

Pro Lys Gly Tyr
 20

<210> 100
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 <212> PRT
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<220>
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<220>
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 <222> (4)..(4)
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<400> 100

Lys Asp Xaa Xaa Gly Glu Met Glu Glu Asp Ser Gln His Leu Gly Xaa
 1 5 10 15

Pro Lys Gly Tyr
 20

<210> 101
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 <212> PRT
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<220>
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 <222> (4)..(4)
 <223> X is epsilon aminocaproic acid

<400> 101

Lys Asp Xaa Xaa Gly Val Met Thr Gly Arg Thr Gly Xaa Pro Lys Gly
 1 5 10 15

Tyr

<210> 102
 <211> 17
 <212> PRT
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<220>
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<220>
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<400> 102

Lys Asp Xaa Xaa Gly Val Met Thr Gly Arg Thr Gly Xaa Pro Lys Gly
 1 5 10 15

Tyr

<210> 103
<211> 17
<212> PRT
<213> artificial sequence

<220>
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<220>
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<222> (13)..(13)
<223> X is episilon-aminocaproic acid

<220>
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<223> X is epsilon aminocaproic acid

<400> 103

Lys Asp Xaa Xaa Gly Val Met Thr Gly Arg Thr Gly Xaa Pro Lys Gly
1 5 10 15

Tyr

<210> 104
<211> 17
<212> PRT
<213> artificial sequence

<220>
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<223> X is Aib

<220>
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<223> X is episilon-aminocaproic acid

<220>
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<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 104

Lys Asp Xaa Xaa Gly Val Met Thr Gly Arg Thr Gly Xaa Pro Lys Gly

1 5 10 15

Tyr

<210> 105
 <211> 16
 <212> PRT
 <213> artificial sequence

<220>
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<220>
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 <223> X is epsilon aminocaproic acid

<400> 105

Lys Asp Xaa Xaa Gly Val Met Thr Gly Arg Gly Xaa Pro Lys Gly Tyr
 1 5 10 15

<210> 106
 <211> 17
 <212> PRT
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<220>
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 <223> X is epsilon-aminocaproic acid

<220>
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 <222> (4)..(4)
 <223> X is epsilon aminocaproic acid

<400> 106

Lys Asp Xaa Xaa Gly Val Met Thr Gly Arg Gly Gly Xaa Pro Lys Gly
 1 5 10 15

Tyr

<210> 107
 <211> 17
 <212> PRT
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<220>
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 <223> M is D form

<220>
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 <222> (4)..(4)
 <223> X is epsilon aminocaproic acid

<400> 107

Lys Asp Xaa Xaa Gly Val Met Thr Gly Arg Gly Gly Xaa Pro Lys Gly
 1 5 10 15

Tyr

<210> 108
 <211> 8
 <212> PRT
 <213> artificial sequence

<220>
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 <223> X is epsilon aminocaproic acid

<220>
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<222> (1)..(1)
<223> K is blocked with Fmoc

<400> 108

Lys Asp Pro Xaa Thr Gly Arg Thr
1 5

<210> 109
<211> 11
<212> PRT
<213> artificial sequence

<220>
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<222> (1)..(1)
<223> D is blocked with Fmoc

<400> 109

Asp Pro Thr Gly Arg Thr Gly Pro Lys Gly Tyr
1 5 10

<210> 110
<211> 15
<212> PRT
<213> artificial sequence

<220>
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<223> K is blocked with Fmoc

<220>
<221> MOD_RES
<222> (11)..(11)
<223> X is epsilon-aminocaproic acid

<400> 110

Lys Asp Pro Val Met Thr Gly Arg Thr Gly Xaa Pro Lys Gly Tyr
1 5 10 15

<210> 111
<211> 13
<212> PRT
<213> artificial sequence

<220>
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<223> K is blocked with Fmoc

<220>
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 <223> X is episilon-aminocaproic acid

<400> 111

Lys	Asp	Pro	Thr	Gly	Arg	Thr	Gly	Xaa	Pro	Lys	Gly	Tyr
1				5					10			

<210> 112
 <211> 15
 <212> PRT
 <213> artificial sequence

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 <223> K is blocked with Fmoc

<220>
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 <222> (4)..(4)
 <223> X is epsilon aminocaproic acid

<220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> X is episilon-aminocaproic acid

<400> 112

Lys	Asp	Pro	Xaa	Gly	Thr	Gly	Arg	Thr	Gly	Xaa	Pro	Lys	Gly	Tyr
1				5					10				15	

<210> 113
 <211> 14
 <212> PRT
 <213> artificial sequence

<220>
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 <223> K is blocked with Fmoc

<220>
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 <222> (4)..(4)
 <223> X is epsilon aminocaproic acid

<400> 113

Lys Asp Pro Xaa Gly Thr Gly Arg Thr Gly Pro Lys Gly Tyr
1 5 10

<210> 114

<211> 13

<212> PRT

<213> artificial sequence

<220>

<221> MOD_RES

<222> (1)..(1)

<223> K is blocked with Fmoc

<400> 114

Lys Asp Pro Gly Thr Gly Arg Thr Gly Pro Lys Gly Tyr
1 5 10

<210> 115

<211> 14

<212> PRT

<213> artificial sequence

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<220>

<221> MOD_RES

<222> (10)..(10)

<223> X is episilon-aminocaproic acid

<400> 115

Lys Asp Pro Xaa Thr Gly Arg Thr Gly Xaa Pro Lys Gly Tyr
1 5 10

<210> 116

<211> 13

<212> PRT

<213> artificial sequence

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is 4-aminobutyric acid

<400> 116

Lys Asp Pro Xaa Thr Gly Arg Thr Gly Pro Lys Gly Tyr

1 5 10

<210> 117
<211> 13
<212> PRT
<213> artificial sequence

<220>
<221> MOD_RES
<222> (4)..(4)
<223> X is 8-aminobutyric acid

<400> 117

Lys Asp Pro Xaa Thr Gly Arg Thr Gly Pro Lys Gly Tyr
1 5 10

<210> 118
<211> 17
<212> PRT
<213> artificial sequence

<220>
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<220>
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<222> (13)..(13)
<223> X is episilon-aminocaproic acid

<220>
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<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 118

Lys Asp Xaa Xaa Gly Val Met Thr Gly Arg Val Gly Xaa Pro Lys Gly
1 5 10 15

Tyr

<210> 119
<211> 17
<212> PRT
<213> artificial sequence

<220>
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<223> X is Aib

<220>

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<222> (13)..(13)

<223> X is episilon-aminocaproic acid

<220>

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<223> M is D form

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 119

Lys Asp Xaa Xaa Gly Val Met Thr Gly Arg Val Gly Xaa Pro Lys Gly
1 5 10 15

Tyr

<210> 120

<211> 17

<212> PRT

<213> artificial sequence

<220>

<221> MOD_RES

<222> (3)..(3)

<223> X is Aib

<220>

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<222> (13)..(13)

<223> X is episilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 120

Lys Asp Xaa Xaa Gly Val Met Thr Gly Arg Ala Gly Xaa Pro Lys Gly
1 5 10 15

Tyr

<210> 121
<211> 17
<212> PRT
<213> artificial sequence

<220>
<221> MOD_RES
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<220>
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<220>
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<222> (7)..(7)
<223> M is D form

<220>
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<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 121

Lys Asp Xaa Xaa Gly Val Met Thr Gly Arg Ala Gly Xaa Pro Lys Gly
1 5 10 15

Tyr

<210> 122
<211> 26
<212> PRT
<213> artificial sequence

<220>
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<223> X is epsilon aminocaproic acid

<220>
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<222> (22)..(22)
<223> X is epsilon aminocaproic acid

<220>
<221> MOD_RES
<222> (1)..(1)
<223> K is blocked with Fmoc

<400> 122

Lys Asp Pro Xaa Gly Ser Glu Val Lys Leu Asp Ala Glu Phe Gly Xaa
1 5 10 15

Pro Lys Gly Tyr Gly Xaa Pro Lys Gly Tyr
20 25

<210> 123
<211> 20
<212> PRT
<213> artificial sequence

<220>
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<220>
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<220>
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<223> E is D form

<220>
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<222> (10)..(10)
<223> L is D form

<220>
<221> MOD_RES
<222> (14)..(14)
<223> F is D form

<220>
<221> MOD_RES
<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 123

Lys Asp Pro Xaa Gly Ser Glu Val Lys Leu Asp Ala Glu Phe Gly Xaa
 1 5 10 15

Pro Lys Gly Tyr
 20

<210> 124
 <211> 20
 <212> PRT
 <213> artificial sequence

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 <223> K is blocked with Fmoc

<220>
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 <222> (16)..(16)
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<220>
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 <222> (10)..(10)
 <223> L is D form

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> F is D form

<220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> X is epsilon aminocaproic acid

<400> 124

Lys Asp Pro Xaa Gly Ser Glu Val Lys Leu Asp Ala Glu Phe Gly Xaa
 1 5 10 15

Pro Lys Gly Tyr
 20

<210> 125
 <211> 21

<212> PRT
<213> artificial sequence

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<220>
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<223> X is episilon-aminocaproic acid

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<223> K is blocked with Fmoc

<220>
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<223> X is epsilon aminocaproic acid

<400> 125

Lys Asp Xaa Xaa Gly Ser Glu Val Asn Leu Asp Ala Glu Phe Gly Xaa
1 5 10 15

Pro Lys Asp Asp Tyr
20

<210> 126
<211> 21
<212> PRT
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<220>
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<223> X is episilon-aminocaproic acid

<220>
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<222> (4)..(4)
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<400> 126

Lys Asp Xaa Xaa Gly Ser Glu Val Lys Leu Asp Ala Glu Phe Gly Xaa
1 5 10 15

Pro Lys Asp Asp Tyr
20

<210> 127

<211> 21

<212> PRT

<213> artificial sequence

<220>

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<223> X is Aib

<220>

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<222> (16)..(16)

<223> X is episilon-aminocaproic acid

<220>

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<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 127

Lys Asp Xaa Xaa Gly Ser Glu Val Lys Met Asp Ala Glu Phe Gly Xaa
1 5 10 15

Pro Lys Asp Asp Tyr
20

<210> 128

<211> 21

<212> PRT

<213> artificial sequence

<220>

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<223> X is Aib

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<223> X is episilon-aminocaproic acid

<220>
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 <222> (4)..(4)
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<400> 128

Lys Asp Xaa Xaa Gly Ser Glu Val Lys Met Asp Asp Glu Phe Gly Xaa
 1 5 10 15

Pro Lys Asp Asp Tyr
 20

<210> 129
 <211> 21
 <212> PRT
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<220>
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 <222> (4)..(4)
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<400> 129

Lys Asp Xaa Xaa Gly Ser Glu Val Asn Leu Asp Asp Glu Phe Gly Xaa
 1 5 10 15

Pro Lys Asp Asp Tyr
 20

<210> 130
 <211> 23
 <212> PRT
 <213> artificial sequence

<220>
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<223> X is episilon-aminocaproic acid

<220>
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<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 130

Lys Asp Xaa Xaa Gly Gly Val Val Ile Ala Thr Val Ile Val Ile Thr
1 5 10 15

Gly Xaa Pro Lys Asp Asp Tyr
20

<210> 131
<211> 24
<212> PRT
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<223> X is Aib

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<222> (19)..(19)
<223> X is episilon-aminocaproic acid

<220>
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<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 131

Lys Asp Xaa Xaa Gly Tyr Gly Val Val Ile Ala Thr Val Ile Val Ile
1 5 10 15

Thr Gly Xaa Pro Lys Asp Asp Tyr
20

<210> 132
<211> 18
<212> PRT
<213> artificial sequence

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<223> X is episilon-aminocaproic acid

<220>
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<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 132

Lys Asp Xaa Xaa Gly Val Ile Ala Thr Val Ile Gly Xaa Pro Lys Asp
1 5 10 15

Asp Tyr

<210> 133
<211> 18
<212> PRT
<213> artificial sequence

<220>
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<223> X is episilon-aminocaproic acid

<220>
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<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 133

Lys Asp Xaa Xaa Asx Tyr Gly Val Val Ile Ala Gly Xaa Pro Lys Asp
1 5 10 15

Asp Tyr

<210> 134
<211> 15

<212> PRT
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<220>
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<223> X is Aib

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<223> X is episilon-aminocaproic acid

<220>
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<223> X is epsilon aminocaproic acid

<400> 134

Lys	Asp	Xaa	Xaa	Xaa	Gln	Gln	Leu	Leu	His	Asn	Xaa	Xaa	Pro	Lys
1				5					10					15

<210> 135
<211> 15
<212> PRT
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<220>
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<220>
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<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 135

Lys	Asp	Xaa	Xaa	Gly	Gln	Gln	Leu	Leu	His	Asn	Gly	Xaa	Pro	Lys
1				5					10					15

<210> 136
<211> 13
<212> PRT

<213> artificial sequence

<220>

<221> MOD_RES

<222> (3)..(3)

<223> X is Aib

<400> 136

Lys Asp Xaa Gly Gln Gln Leu Leu His Asn Gly Pro Lys
1 5 10

<210> 137

<211> 11

<212> PRT

<213> artificial sequence

<220>

<221> MOD_RES

<222> (3)..(3)

<223> X is Aib

<400> 137

Lys Asp Xaa Gln Gln Leu Leu His Asn Pro Lys
1 5 10

<210> 138

<211> 15

<212> PRT

<213> artificial sequence

<220>

<221> MOD_RES

<222> (3)..(3)

<223> X is Aib

<220>

<221> MOD_RES

<222> (12)..(13)

<223> X is epsilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (4)..(5)

<223> X is epsilon aminocaproic acid

<400> 138

Lys Asp Xaa Xaa Xaa Ser Ile Gln Tyr Thr Tyr Xaa Xaa Pro Lys
1 5 10 15

<210> 139
<211> 15
<212> PRT
<213> artificial sequence

<220>
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<220>
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<400> 139

Lys Asp Xaa Xaa Gly Ser Ile Gln Tyr Thr Tyr Gly Xaa Pro Lys
1 5 10 15

<210> 140
<211> 13
<212> PRT
<213> artificial sequence

<220>
<221> MOD_RES
<222> (3)..(3)
<223> X is Aib

<400> 140

Lys Asp Xaa Gly Ser Ile Gln Tyr Thr Tyr Gly Pro Lys
1 5 10

<210> 141
<211> 11
<212> PRT
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<223> X is Aib

<400> 141

Lys Asp Xaa Ser Ile Gln Tyr Thr Tyr Pro Lys
 1 5 10

<210> 142
 <211> 15
 <212> PRT
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<220>
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<220>
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 <222> (4)..(5)
 <223> X is epsilon aminocaproic acid

<400> 142

Lys Asp Xaa Xaa Xaa Ser Ser Gln Tyr Ser Asn Xaa Xaa Pro Lys
 1 5 10 15

<210> 143
 <211> 15
 <212> PRT
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<220>
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 <223> X is episilon-aminocaproic acid

<220>
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 <222> (4)..(4)
 <223> X is epsilon aminocaproic acid

<400> 143

Lys Asp Xaa Xaa Gly Ser Ser Gln Tyr Ser Asn Gly Xaa Pro Lys

1 5 10 15

<210> 144
<211> 13
<212> PRT
<213> artificial sequence

<220>
<221> MOD_RES
<222> (3)..(3)
<223> X is Aib

<400> 144

Lys Asp Xaa Gly Ser Ser Gln Tyr Ser Asn Gly Pro Lys
1 5 10

<210> 145
<211> 11
<212> PRT
<213> artificial sequence

<220>
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<222> (3)..(3)
<223> X is Aib

<400> 145

Lys Asp Xaa Ser Ser Gln Tyr Ser Asn Pro Lys
1 5 10

<210> 146
<211> 15
<212> PRT
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<220>
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<223> X is episilon-aminocaproic acid

<220>
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<222> (4)..(5)
<223> X is epsilon aminocaproic acid

<400> 146

Lys Asp Xaa Xaa Xaa Ser Ser Ile Tyr Ser Gln Xaa Xaa Pro Lys
1 5 10 15

<210> 147

<211> 15

<212> PRT

<213> artificial sequence

<220>

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<223> X is Aib

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<222> (13)..(13)

<223> X is epsilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 147

Lys Asp Xaa Xaa Gly Ser Ser Ile Tyr Ser Gln Gly Xaa Pro Lys
1 5 10 15

<210> 148

<211> 13

<212> PRT

<213> artificial sequence

<220>

<221> MOD_RES

<222> (3)..(3)

<223> X is Aib

<400> 148

Lys Asp Xaa Gly Ser Ser Ile Tyr Ser Gln Gly Pro Lys
1 5 10

<210> 149

<211> 11

<212> PRT

<213> artificial sequence

<220>

<221> MOD_RES

<222> (3)..(3)

<223> X is Aib

<400> 149

Lys Asp Xaa Ser Ser Ile Tyr Ser Gln Pro Lys
1 5 10

<210> 150

<211> 20

<212> PRT

<213> artificial sequence

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<220>

<221> MOD_RES

<222> (16)..(16)

<223> X is episilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (1)..(1)

<223> K is blocked with Fmoc

<400> 150

Lys Asp Pro Xaa Gly Ser Glu Val Asn Leu Asp Ala Glu Phe Gly Xaa
1 5 10 15

Pro Lys Gly Tyr
20

<210> 151

<211> 18

<212> PRT

<213> artificial sequence

<220>

<221> MOD_RES

<222> (1)..(1)

<223> K is blocked with Fmoc

<220>

<221> MOD_RES

<222> (14)..(14)

<223> X is episilon-aminocaproic acid

<220>

<221> MOD_RES
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<223> X is epsilon aminocaproic acid

<400> 151

Lys Asp Pro Xaa Gly Leu Glu His Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 152
<211> 18
<212> PRT
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<220>
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<223> K is blocked with Fmoc

<220>
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<223> X is episilon-aminocaproic acid

<220>
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<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 152

Lys Asp Pro Xaa Gly Leu Glu Thr Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 153
<211> 18
<212> PRT
<213> artificial sequence

<220>
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<220>
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<220>
<221> MOD_RES
<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 153

Lys Asp Pro Xaa Gly Trp Glu His Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 154
<211> 15
<212> PRT
<213> artificial sequence

<220>
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<222> (1)..(1)
<223> K is blocked with Fmoc

<220>
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<222> (11)..(11)
<223> X is epsilon-aminocaproic acid

<220>
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<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 154

Lys Asp Pro Xaa Gly Tyr Val His Asp Gly Xaa Pro Lys Gly Tyr
1 5 10 15

<210> 155
<211> 18
<212> PRT
<213> artificial sequence

<220>
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<223> K is blocked with Fmoc

<220>
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<223> X is epsilon-aminocaproic acid

<220>
<221> MOD_RES
<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 155

Lys Asp Pro Xaa Gly Tyr Val His Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 156
<211> 14
<212> PRT
<213> artificial sequence

<220>
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<223> K is blocked with Fmoc

<220>
<221> MOD_RES
<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 156

Lys Asp Pro Xaa Gly Tyr Val His Asp Ala Pro Lys Gly Tyr
1 5 10

<210> 157
<211> 16
<212> PRT
<213> artificial sequence

<220>
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<223> K is blocked with Fmoc

<220>
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<223> X is epsilon-aminocaproic acid

<220>
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 <223> X is epsilon aminocaproic acid

<400> 157

Lys	Asp	Pro	Xaa	Gly	Ile	Glu	Pro	Asp	Ser	Gly	Xaa	Pro	Lys	Gly	Tyr
1				5				10					15		

<210> 158
 <211> 18
 <212> PRT
 <213> artificial sequence

<220>
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 <223> K is blocked with Fmoc

<220>
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 <223> X is episilon-aminocaproic acid

<220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> X is epsilon aminocaproic acid

<400> 158

Lys	Asp	Pro	Xaa	Gly	Pro	Leu	Gly	Ile	Ala	Gly	Ile	Gly	Xaa	Pro	Lys
1				5				10					15		

Gly Tyr

<210> 159
 <211> 19
 <212> PRT
 <213> artificial sequence

<220>
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 <223> K is blocked with Fmoc

<220>
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<222> (15)..(15)
<223> X is episilon-aminocaproic acid

<220>
<221> MOD_RES
<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 159

Lys Asp Pro Xaa Gly Ser Gln Asn Tyr Pro Ile Val Gln Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 160
<211> 18
<212> PRT
<213> artificial sequence

<220>
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<222> (1)..(1)
<223> K is blocked with Fa

<220>
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<222> (14)..(14)
<223> X is episilon-aminocaproic acid

<220>
<221> MOD_RES
<222> (4)..(4)
<223> X is epsilon aminocaproic acid

<400> 160

Lys Asp Pro Xaa Gly Glu Asp Val Val Cys Cys Ser Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 161
<211> 17
<212> PRT
<213> Artificial/Unknown

<220>
<221> Artificial
<222> (1)..(17)

<223> Spacer

<400> 161

Asp Gly Ser Gly Gly Gly Glu Asp Glu Lys Lys Glu Asp Gly Gly Asp
1 5 10 15

Lys

<210> 162

<211> 8

<212> PRT

<213> Artibeus anderseni

<220>

<221> Artificial

<222> (1)..(8)

<223> Spacer

<400> 162

Asp Gly Ser Gly Gly Asp Glu Lys
1 5

<210> 163

<211> 9

<212> PRT

<213> Artificial/Unknown

<220>

<221> Artificial

<222> (1)..(9)

<223> Spacer

<400> 163

Lys Glu Asp Glu Gly Ser Gly Asp Lys
1 5

<210> 164

<211> 9

<212> PRT

<213> Artificial/Unknown

<220>

<221> MOD_RES

<222> (5)..(5)

<223> X is norleucine

<400> 164

Asp Ala Ile Pro Xaa Ser Ile Pro Cys

1 5

<210> 165
<211> 11
<212> PRT
<213> Artificial/Unknown

<220>
<221> MOD_RES
<222> (5)..(5)
<223> X is norleucine

<400> 165

Asp Ala Ile Pro Xaa Ser Ile Pro Lys Gly Tyr
1 5 10

<210> 166
<211> 11
<212> PRT
<213> Artificial/Unknown

<220>
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<222> ()..()
<223> Artificial sequence = synthetic protease indicator

<220>
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<222> (9)..(9)
<223> K is derivatized with fluorophore

<220>
<221> MOD_RES
<222> (1)..(1)
<223> D is derivatized with fluorophore

<400> 166

Asp Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
1 5 10

<210> 167
<211> 12
<212> PRT
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> Artificial Sequence is synthetic protease indicator

<220>
<221> MOD_RES
<222> . (1)..(1)
<223> P is derivatized with fluorophore

<220>
<221> MOD_RES
<222> (10)..(10)
<223> K is derivatized with fluorophore

<400> 167

Pro Asp Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
1 5 10

<210> 168
<211> 12
<212> PRT
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> Artificial sequence = synthetic protease indicator

<220>
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<222> (6)..(6)
<223> X is norleucine (Nlu)

<220>
<221> MOD_RES
<222> (10)..(10)
<223> K is derivatized with fluorophore

<220>
<221> MOD_RES
<222> (1)..(1)
<223> K is blocked with Fmoc

<220>
<221> MOD_RES
<222> (1)..(1)
<223> K is derivatized with fluorophore

<400> 168

Lys Asp Ala Ile Pro Xaa Ser Ile Pro Lys Gly Tyr
1 5 10

<210> 169
 <211> 12
 <212> PRT
 <213> Artificial/Unknown

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 <222> ()..()
 <223> Artificial sequence = synthetic protease indicator

<220>
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 <223> K is derivatized with fluorophore

<220>
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 <222> (10)..(10)
 <223> K is derivatized with fluorophore

<220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> X is norleucine (Nlu)

<400> 169

Lys Asp Ala Ile Pro Xaa Ser Ile Pro Lys Gly Tyr
 1 5 10

<210> 170
 <211> 11
 <212> PRT
 <213> Artificial/Unknown

<220>
 <221> misc_feature
 <222> ()..()
 <223> Artificial Sequence = synthetic protease indicator

<220>
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 <223> D is blocked wiht Fmoc

<220>
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 <222> (5)..(5)
 <223> X is norleucine (Nlu)

<220>
<221> MOD_RES
<222> (9)..(9)
<223> K is derivatized with fluorophore

<400> 170

Asp Ala Ile Pro Xaa Ser Ile Pro Lys Gly Tyr
1 5 10

<210> 171
<211> 14
<212> PRT
<213> Artificial/Unknown

<220>
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<223> ARTIFICIAL/UNKNOWN = synthetic protease indicator

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<223> K is blocked with Fmoc

<220>
<221> MOD_RES
<222> (1)..(1)
<223> K is derivatized with fluorophore

<220>
<221> MOD_RES
<222> (12)..(12)
<223> K is derivatized with fluorophore

<400> 171

Lys Asp Asx Asp Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
1 5 10

<210> 172
<211> 14
<212> PRT
<213> Artificial/Unknown

<220>
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<222> ()..()
<223> ARTIFICIAL/UNKNOWN = synthetic protease indicator

<220>

<221> misc_feature
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<223> K is derivatized with fluorophore

<220>
<221> misc_feature
<222> (12)..(12)
<223> K is derivatized with fluorophore

<400> 172

Lys Asp Asx Asp Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
1 5 10

<210> 173
<211> 14
<212> PRT
<213> Artificial/Unknown

<220>
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<223> ARTIFICIAL/UNKNOWN = synthetic protease indicator

<220>
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<223> K is derivatized with fluroophore

<220>
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<223> K is blocked with Fmoc

<220>
<221> MOD_RES
<222> (12)..(12)
<223> K is derivatized with fluroophore

<400> 173

Lys Asp Asx Asp Glu Val Asn Gly Ile Asp Pro Lys Gly Tyr
1 5 10

<210> 174
<211> 14
<212> PRT
<213> Artificial/Unknown

<220>
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<222> ()..()
<223> ARTIFICIAL/UNKNOWN = synthetic protease indicator

<220>
<221> misc_feature
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<223> K is derivatized with fluorophore

<220>
<221> misc_feature
<222> (12)..(12)
<223> K is derivatized with fluorophore

<400> 174

Lys Asp Asx Asp Glu Val Asn Gly Ile Asp Pro Lys Gly Tyr
1 5 10

<210> 175
<211> 13
<212> PRT
<213> Artificial/Unknown

<220>
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<223> ARTIFICIAL/UNKNOWN = synthetic protease indicator

<220>
<221> MOD_RES
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<223> K is blocked with Fmoc

<220>
<221> MOD_RES
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<223> K is derivatized with fluorophore

<400> 175

Lys Asp Asx Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
1 5 10

<210> 176
<211> 13
<212> PRT
<213> Artificial/Unknown

<220>
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<222> ()..()

<223> ARTIFICIAL/UNKNOWN = synthetic protease indicator

<220>

<221> MOD_RES

<222> (1)..(1)

<223> K is derivatized with fluorophore

<220>

<221> MOD_RES

<222> (11)..(11)

<223> K is derivatized with fluorophore

<400> 176

Lys Asp Tyr Asx Ala Asp Gly Ile Asp Pro Lys Gly Tyr
1 5 10

<210> 177

<211> 16

<212> PRT

<213> Artificial/Unknown

<220>

<221> misc_feature

<222> ()..()

<223> ARTIFICIAL/UNKNOWN = synthetic protease indicator

<220>

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<222> (1)..(1)

<223> K is blocked with Fmoc

<220>

<221> MOD_RES

<222> (1)..(1)

<223> K is derivatized with fluorophore

<220>

<221> MOD_RES

<222> (14)..(14)

<223> K is derivatized with fluorophore

<400> 177

Lys Asp Asx Gly Asp Glu Val Asp Gly Ile Asp Gly Pro Lys Gly Tyr
1 5 10 15

<210> 178

<211> 18

<212> PRT

<213> Artificial/Unknown

<220>

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<222> ()..()

<223> ARTIFICIAL/UNKNOWN = synthetic protease indicator

<220>

<221> MOD_RES

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<223> K is blocked with Fmoc

<220>

<221> MOD_RES

<222> (1)..(1)

<223> K is derivatized with fluorophore

<220>

<221> MOD_RES

<222> (16)..(16)

<223> K is derivatized with fluorophore

<220>

<221> MOD_RES

<222> (14)..(14)

<223> X is epsilon aminocaproic acid

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon aminocaproic acid

<400> 178

Lys Asp Asx Xaa Gly Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 179

<211> 18

<212> PRT

<213> Artificial/Unknown

<220>

<221> MOD_RES

<222> (1)..(1)

<223> K is derivatized with benzyloxycarbonyl group

<220>
<221> MOD_RES
<222> (4)..(4)
<223> X is episilon aminocaproic acid

<220>
<221> MOD_RES
<222> (14)..(14)
<223> X is episilon aminocaproic acid

<220>
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<222> ()..()
<223> ARTIFICIAL/UNKNOWN = synthetic protease indicator

<220>
<221> MOD_RES
<222> (1)..(1)
<223> K is derivatized with fluorophore

<220>
<221> MOD_RES
<222> (16)..(16)
<223> K is derivatized with fluorophore

<400> 179

Lys Asp Asx Xaa Gly Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 180
<211> 13
<212> PRT
<213> Artificial/Unknown

<220>
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<222> ()..()
<223> ARTIFICIAL/UNKNOWN = synthetic protease indicator

<220>
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<222> (1)..(1)
<223> K is blocked with Fmoc

<220>
<221> MOD_RES

<222> (1)..(1)
<223> K is derivatized with fluorophore

<220>
<221> MOD_RES
<222> (11)..(11)
<223> K is derivatized with fluorophore

<400> 180

Lys Asp Tyr Asx Ala Asp Gly Ile Asp Pro Lys Gly Tyr
1 5 10

<210> 181
<211> 13
<212> PRT
<213> Artificial/Unknown

<220>
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<222> ()..()
<223> ARTIFICIAL/UNKNOWN = synthetic protease indicator

<220>
<221> MOD_RES
<222> (1)..(1)
<223> K is derivatized with fluorophore

<220>
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<223> K is derivatized with fluorophore

<400> 181

Lys Asp Asx Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
1 5 10

<210> 182
<211> 12
<212> PRT
<213> Artificial/Unknown

<220>
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<222> ()..()
<223> Artificial/Unknown = synthetic protease indicator

<220>
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<223> K is blocked with Fmoc

<220>

<221> MOD_RES

<222> (1)..(1)

<223> K is derivatized with fluorophore

<220>

<221> MOD_RES

<222> (10)..(10)

<223> K is derivatized with fluorophore

<220>

<221> MOD_RES

<222> (6)..(6)

<223> X is norleucine (Nlu)

<400> 182

Lys Asp Ala Ile Pro Xaa Ser Ile Pro Lys Gly Tyr
1 5 10

<210> 183

<211> 18

<212> PRT

<213> Artificial/Unknown

<220>

<221> misc_feature

<222> ()..()

<223> Artificial/Unknown = synthetic protease indicator

<220>

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<223> K is blocked with Fmoc

<220>

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<222> (1)..(1)

<223> K is derivatized with fluorophore

<220>

<221> MOD_RES

<222> (16)..(16)

<223> K is derivatized with fluorophore

<220>

<221> MOD_RES

<222> (4)..(4)
<223> X is episilon aminocaproic acid

<220>
<221> MOD_RES
<222> (14)..(14)
<223> X is episilon aminocaproic acid

<400> 183

Lys	Asp	Asx	Xaa	Gly	Asp	Glu	Val	Asp	Gly	Ile	Asp	Gly	Xaa	Pro	Lys
1				5					10					15	

Gly Tyr

<210> 184
<211> 18
<212> PRT
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> Artificial/Unknown = synthetic protease indicator

<220>
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<222> (1)..(1)
<223> K is blocked with Fmoc

<220>
<221> MOD_RES
<222> (1)..(1)
<223> K is derivatized with fluorophore

<220>
<221> MOD_RES
<222> (16)..(16)
<223> K is derivatized with fluorophore

<220>
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<222> (4)..(4)
<223> X is episilonaminocaproic acid

<220>
<221> MOD_RES
<222> (14)..(14)
<223> X is episilonaminocaproic acid

<400> 184

Lys Asp Asx Xaa Gly Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 185

<211> 14

<212> PRT

<213> Artificial/Unknown

<220>

<221> misc_feature

<222> ()..()

<223> Artificial/Unknown = synthetic protease indicator

<220>

<221> MOD_RES

<222> (1)..(1)

<223> K is derivatized with a fluorophore

<220>

<221> MOD_RES

<222> (12)..(12)

<223> K is derivatized with a fluorophore

<400> 185

Lys Asp Asx Asp Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
1 5 10

<210> 186

<211> 8

<212> PRT

<213> Artificial/Unknown

<220>

<221> misc_feature

<222> ()..()

<223> Artificial/Unknown = central protease recognition domain

<400> 186

Gly Asp Glu Val Asp Gly Ile Asp
1 5

<210> 187

<211> 4

<212> PRT

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<213> Artificial/Unknown

<220>
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<222> ()..()
<223> Artificial/Unknown = tetrapeptide core

<220>
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<222> (3)..(3)
<223> X is alpha aminobutyric acid (Aib)

<400> 187

Lys Asp Xaa Gly
1

<210> 188
<211> 5
<212> PRT
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> Artificial/Unknown = pentapeptide core

<220>
<221> MOD_RES
<222> (3)..(3)
<223> X is alpha aminobutyric acid (Aib)

<220>
<221> MOD_RES
<222> (4)..(4)
<223> X is episilonaminocaproic acid

<400> 188

Lys Asp Xaa Xaa Gly
1          5

<210> 189
<211> 4
<212> PRT
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> Artificial/Unknown = CDR domain

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<220>
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 <223> X is alpha episilonaminocaproic acid

<400> 189

Gly Xaa Pro Lys
 1

<210> 190
 <211> 14
 <212> PRT
 <213> Artificial/Unknown

<220>
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 <222> ()..()
 <223> Artificial/Unknown = synthetic protease indicator

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> K is blocked with Fmoc

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> K is derivatized with fluorophore

<220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> K is derivatized with fluorophore

<400> 190

Lys Asp Asx Asp Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
 1 5 10

<210> 191
 <211> 14
 <212> PRT
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<220>
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<220>
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 <223> K is blocked with Fmoc

<220>
 <221> MOD_RES
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 <223> K is derivatized with fluorophore

<220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> K is derivatized with fluorophore

<400> 191

Lys	Asp	Asx	Asp	Glu	Val	Asp	Gly	Ile	Asp	Pro	Lys	Gly	Tyr
1				5					10				

<210> 192
 <211> 18
 <212> PRT
 <213> Artificial/Unknown

<220>
 <221> misc_feature
 <222> ()..()
 <223> Artificial/Unknown = synthetic protease indicator

<220>
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 <223> K is blocked with Fmoc

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> K is derivatized with fluorophore

<220>
 <221> MOD_RES
 <222> (16)..(16)
 <223> K is derivatized with fluorophore

<220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> X is episilonaminocaproic acid

<220>
<221> MOD_RES
<222> (14)..(14)
<223> X is episilonaminocaproic acid

<400> 192

Lys Asp Asx Xaa Gly Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 193
<211> 7
<212> PRT
<213> Artificial/Unknown

<220>
<221> Artificial
<222> (1)..(7)
<223> Artificial synthethic protease substrate

<400> 193

Asp Glu Val Asp Gly Ile Asn
1 5

<210> 194
<211> 8
<212> PRT
<213> Artificial/Unknown

<220>
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<222> (1)..(1)
<223> X is D form of tetrahydroisoquinoline-3-carboxylic acid

<400> 194

Xaa Asp Glu Val Asp Gly Ile Asn
1 5

<210> 195
<211> 7
<212> PRT
<213> Artificial/Unknown

<220>
<221> Artificial
<222> (1)..(7)
<223> Artificial protease substrate

<400> 195

Asp Glu Val Asp Gly Ile Asp
1 5

<210> 196

<211> 7

<212> PRT

<213> Artificial/Unknown

<220>

<221> Artificial

<222> (1)..(7)

<223> Artificial protease substrate

<400> 196

Leu Val Glu Ile Asp Asn Gly
1 5

<210> 197

<211> 8

<212> PRT

<213> Artificial/Unknown

<220>

<221> Artificial

<222> (1)..(7)

<223> Artificial protease substrate

<400> 197

Gly Ile Glu Thr Glu Ser Gly Val
1 5

<210> 198

<211> 4

<212> PRT

<213> Artificial/Unknown

<220>

<221> Artificial

<222> (1)..(4)

<223> Artificial protease substrate

<400> 198

Thr Gly Arg Thr
1

<210> 199

<211> 6

<212> PRT

<213> Artificial/Unknown

<220>
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<222> (1)..(6)
<223> Artificial protease substrate

<400> 199

Val Met Thr Gly Arg Thr
1 5

<210> 200
<211> 9
<212> PRT
<213> Artificial/Unknown

<220>
<221> Artificial
<222> (1)..(9)
<223> Artificial protease substrate

<400> 200

Ser Glu Val Lys Leu Asp Ala Glu Phe
1 5

<210> 201
<211> 9
<212> PRT
<213> Artificial/Unknown

<220>
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<222> (2)..(2)
<223> E is D form

<220>
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<222> (9)..(9)
<223> L is D form

<220>
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<222> (5)..(5)
<223> L is D form

<400> 201

Ser Glu Val Lys Leu Asp Ala Glu Phe
1 5

<210> 202
 <211> 7
 <212> PRT
 <213> Artificial/Unknown

 <220>
 <221> Artificial
 <222> (1)..(7)
 <223> Artificial peptide substrate

<400> 202

Glu Asp Val Val Cys Cys Ser
 1 5

<210> 203
 <211> 7
 <212> PRT
 <213> Artificial/Unknown

 <220>
 <221> Artificial
 <222> (1)..(7)
 <223> Artificial protease substrate

<400> 203

Glu Glu Val Glu Gly Ile Asn
 1 5

<210> 204
 <211> 7
 <212> PRT
 <213> Artificial/Unknown

 <220>
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 <222> (2)..(2)
 <223> F is D form

<400> 204

Asp Phe Val Asp Gly Ile Asn
 1 5

<210> 205
 <211> 7
 <212> PRT
 <213> Artificial/Unknown

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<400> 205

Asp Glu Val Asp Gly Ile Asn
1 5

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<400> 206

Leu Val Glu Ile Glu Asn Gly
1 5

<210> 207
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<400> 207

Gly Ile Glu Thr Asp Ser Gly
1 5

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<400> 208

Gly Ile Glu Thr Glu Ser Gly
1 5

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<400> 209

Leu Glu His Asp Gly Ile Asn
1 5

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<400> 210

Leu Glu Thr Asp Gly Ile Asn
1 5

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<400> 211

Trp Glu His Asp Gly Ile Asn
1 5

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<400> 212

Tyr Val His Asp Gly
1 5

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<400> 213

Tyr Val His Asp Gly Ile Asn
1 5

<210> 214
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<400> 214

Tyr Val His Asp Ala
1 5

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<400> 215

Thr Gly Arg Thr Gly

1 5

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<400> 216

Ser Glu Val Lys Leu Asp Ala Glu Phe
1 5

<210> 217
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<212> PRT
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<220>
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<400> 217

Ile Glu Pro Asp Ser
1 5

<210> 218
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<212> PRT
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<223> Artificial protease substrate

<400> 218

Pro Leu Gly Ile Ala Gly Ile
1 5

<210> 219

<211> 8

<212> PRT

<213> Artificial/Unknown

<220>

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<222> (1)..(8)

<223> Artificial protease substrate

<400> 219

Ser Gln Asn Tyr Pro Ile Val Gln
1 5

<210> 220

<211> 18

<212> PRT

<213> Artificial/Unknown

<220>

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<223> K is blocked with Fmoc

<220>

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<222> (14)..(14)

<223> X is episilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is episilon-aminocaproic acid

<400> 220

Lys Asp Pro Xaa Gly Asp Glu Val Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 221

<211> 16

<212> PRT

<213> Artificial/Unknown

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<220>
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 <222> (16)..(16)
 <223> K is blocked with amide

<400> 221

Lys	Asp	Pro	Xaa	Gly	Asp	Glu	Val	Asp	Gly	Ile	Asn	Gly	Xaa	Pro	Lys
1				5				10					15		

<210> 222
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 <223> X is D form tetrahydroisoquinoline-3-carboxylic acid

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 <223> X is episilon-aminocaproic acid

<220>
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<400> 222

Lys Asp Pro Xaa Gly Xaa Asp Glu Val Asp Gly Ile Asn Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 223

<211> 17

<212> PRT

<213> Artificial/Unknown

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<223> K is blocked with Fmoc

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<222> (4)..(4)

<223> X is episilon-aminocaproic acid

<400> 223

Lys Asp Pro Xaa Gly Asp Glu Val Asp Gly Ile Asn Gly Pro Lys Gly
1 5 10 15

Tyr

<210> 224

<211> 17

<212> PRT

<213> Artificial/Unknown

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<222> (13)..(13)

<223> X is episilon-aminocaproic acid

<400> 224

Lys Asp Pro Gly Asp Glu Val Asp Gly Ile Asn Gly Xaa Pro Lys Gly
1 5 10 15

Tyr

<210> 225
<211> 16
<212> PRT
<213> Artibeus anderseni

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<220>
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<222> (16)..(16)
<223> K is blocked with amide

<400> 225

Lys Asp Pro Xaa Gly Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro Lys
1 5 10 15

<210> 226
<211> 17
<212> PRT
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<223> X is episilon-aminocaproic acid

<220>
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<222> (1)..(1)
<223> K is blocked with Fmoc

<400> 226

Lys Asp Pro Xaa Gly Leu Val Glu Ile Asp Asn Gly Xaa Pro Lys Gly
1 5 10 15

Tyr

<210> 227

<211> 18

<212> PRT

<213> Artificial/Unknown

<220>

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<222> (1)..(1)

<223> K is blocked with Fmoc

<220>

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<222> (4)..(4)

<223> X is episilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (14)..(14)

<223> X is episilon-aminocaproic acid

<400> 227

Lys Asp Pro Xaa Gly Ile Glu Thr Glu Ser Gly Val Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 228

<211> 13

<212> PRT

<213> Artificial/Unknown

<220>

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<223> K is blocked with Fmoc

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is episilon-aminocaproic acid

<400> 228

Lys	Asp	Pro	Xaa	Thr	Gly	Arg	Thr	Gly	Pro	Lys	Gly	Tyr
1				5					10			

<210> 229

<211> 11

<212> PRT

<213> Artificial/Unknown

<220>

<221> MOD_RES

<222> (1)..(1)

<223> D is blocked with Fmoc

<400> 229

Asp	Pro	Thr	Gly	Arg	Thr	Gly	Pro	Lys	Gly	Tyr
1				5					10	

<210> 230

<211> 15

<212> PRT

<213> Artificial/Unknown

<220>

<221> MOD_RES

<222> (1)..(1)

<223> K is blocked with Fmoc

<220>

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<222> (11)..(11)

<223> X is episilon-aminocaproic acid

<400> 230

Lys	Asp	Pro	Val	Met	Thr	Gly	Arg	Thr	Gly	Xaa	Pro	Lys	Gly	Tyr
1				5					10					15

<210> 231

<211> 13

<212> PRT

<213> Artificial/Unknown

<220>

<221> MOD_RES

<222> (1)..(1)

<223> K is blocked with Fmoc

<220>

<221> MOD_RES

<222> (9)..(9)
<223> X is epsilon-aminocaproic acid

<400> 231

Lys	Asp	Pro	Thr	Gly	Arg	Thr	Gly	Xaa	Pro	Lys	Gly	Tyr
1				5					10			

<210> 232
<211> 15
<212> PRT
<213> Artificial/Unknown

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<223> K is blocked with Fmoc

<220>
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<222> (4)..(4)
<223> X is epsilon-aminocaproic acid

<220>
<221> MOD_RES
<222> (11)..(11)
<223> X is epsilon-aminocaproic acid

<400> 232

Lys	Asp	Pro	Xaa	Gly	Thr	Gly	Arg	Thr	Gly	Xaa	Pro	Lys	Gly	Tyr
1				5					10				15	

<210> 233
<211> 14
<212> PRT
<213> Artificial/Unknown

<220>
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<222> (1)..(1)
<223> K is blocked with Fmoc

<220>
<221> MOD_RES
<222> (4)..(4)
<223> X is epsilon-aminocaproic acid

<400> 233

Lys	Asp	Pro	Xaa	Gly	Thr	Gly	Arg	Thr	Gly	Pro	Lys	Gly	Tyr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1 5 10

<210> 234
<211> 13
<212> PRT
<213> Artificial/Unknown

<220>
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<222> (1)..(1)
<223> K is blocked with Fmoc

<400> 234

Lys Asp Pro Gly Thr Gly Arg Thr Gly Pro Lys Gly Tyr
1 5 10

<210> 235
<211> 20
<212> PRT
<213> Artificial/Unknown

<220>
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<223> K is blocked with Fmoc

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<222> (4)..(4)
<223> X is episilon-aminocaproic acid

<220>
<221> MOD_RES
<222> (16)..(16)
<223> X is episilon-aminocaproic acid

<400> 235

Lys Asp Pro Xaa Gly Ser Glu Val Lys Leu Asp Ala Glu Phe Gly Xaa
1 5 10 15

Pro Lys Gly Tyr
20

<210> 236
<211> 21
<212> PRT
<213> Artificial/Unknown

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<223> K is blocked with Fmoc

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<223> F is D form

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<222> (10)..(10)

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<220>

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<222> (7)..(7)

<223> E is D form

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is episilon-aminocaproic acid

<400> 236

Lys Asp Pro Xaa Gly Ser Glu Val Lys Leu Asp Ala Glu Phe Gly Cys
1 5 10 15

Pro Lys Asp Asp Tyr
20

<210> 237

<211> 18

<212> PRT

<213> Artificial/Unknown

<220>

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<222> (1)..(1)

<223> K is blocked with Fa

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is episilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (14)..(14)

<223> X is episilon-aminocaproic acid

<400> 237

Lys Asp Pro Xaa Gly Glu Asp Val Val Cys Cys Ser Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 238

<211> 18

<212> PRT

<213> Artificial/Unknown

<220>

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<222> (4)..(4)

<223> X is episilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (14)..(14)

<223> X is episilon-aminocaproic acid

<400> 238

Lys Asp Pro Xaa Gly Glu Glu Val Glu Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 239

<211> 18

<212> PRT

<213> Artificial/Unknown

<220>

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<222> (7)..(7)

<223> F is D form

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is episilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (14)..(14)

<223> X is episilon-aminocaproic acid

<400> 239

Lys Asp Pro Xaa Gly Asp Phe Val Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 240

<211> 18

<212> PRT

<213> Artificial/Unknown

<220>

<221> MOD_RES

<222> (14)..(14)

<223> X is episilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (6)..(6)

<223> D is D form

<220>

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<222> (9)..(9)

<223> D is D form

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is episilon-aminocaproic acid

<400> 240

Lys Asp Pro Xaa Gly Asp Glu Val Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 241

<211> 17

<212> PRT

<213> Artificial/Unknown

<220>

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<222> (4)..(4)

<223> X is episilon-aminocaproic acid

<220>

<221> MOD_RES
 <222> (14)..(14)
 <223> X is episilon-aminocaproic acid

<400> 241

Lys Asp Pro Xaa Gly Leu Val Glu Ile Glu Asn Gly Xaa Pro Lys Gly
 1 5 10 15

Tyr

<210> 242
 <211> 16
 <212> PRT
 <213> Artificial/Unknown

<220>
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 <223> X is episilon-aminocaproic acid

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 <223> X is episilon-aminocaproic acid

<400> 242

Lys Asp Pro Xaa Gly Ile Glu Thr Asp Ser Gly Xaa Pro Lys Gly Tyr
 1 5 10 15

<210> 243
 <211> 16
 <212> PRT
 <213> Artificial/Unknown

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 <223> X is episilon-aminocaproic acid

<220>
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 <222> (12)..(12)
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<400> 243

Lys Asp Pro Xaa Gly Ile Glu Thr Glu Ser Gly Xaa Pro Lys Gly Tyr
 1 5 10 15

<210> 244
<211> 18
<212> PRT
<213> Artificial/Unknown

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<223> X is episilon-aminocaproic acid

<220>
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<222> (14)..(14)
<223> X is episilon-aminocaproic acid

<400> 244

Lys Asp Pro Xaa Gly Leu Glu His Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 245
<211> 18
<212> PRT
<213> Artificial/Unknown

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<223> X is episilon-aminocaproic acid

<220>
<221> MOD_RES
<222> (14)..(14)
<223> X is episilon-aminocaproic acid

<400> 245

Lys Asp Pro Xaa Gly Leu Glu Thr Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 246
<211> 18
<212> PRT
<213> Artificial/Unknown

<220>
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<222> (4)..(4)
<223> X is episilon-aminocaproic acid

<220>
<221> MOD_RES
<222> (14)..(14)
<223> X is episilon-aminocaproic acid

<400> 246

Lys	Asp	Pro	Xaa	Gly	Trp	Glu	His	Asp	Gly	Ile	Asn	Gly	Xaa	Pro	Lys
1				5					10					15	

Gly Tyr

<210> 247
<211> 15
<212> PRT
<213> Artificial/Unknown

<220>
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<222> (4)..(4)
<223> X is episilon-aminocaproic acid

<220>
<221> MOD_RES
<222> (11)..(11)
<223> X is episilon-aminocaproic acid

<400> 247

Lys	Asp	Pro	Xaa	Gly	Tyr	Val	His	Asp	Gly	Xaa	Pro	Lys	Gly	Tyr
1				5					10				15	

<210> 248
<211> 18
<212> PRT
<213> Artificial/Unknown

<220>
<221> MOD_RES
<222> (4)..(4)
<223> X is episilon-aminocaproic acid

<220>
<221> MOD_RES
<222> (14)..(14)
<223> X is episilon-aminocaproic acid

<400> 248

Lys Asp Pro Xaa Gly Tyr Val His Asp Gly Ile Asn Gly Xaa Pro Lys
1 5 10 15

Gly Tyr

<210> 249

<211> 14

<212> PRT

<213> Artificial/Unknown

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is episilon-aminocaproic acid

<400> 249

Lys Asp Pro Xaa Gly Tyr Val His Asp Ala Pro Lys Gly Tyr
1 5 10

<210> 250

<211> 14

<212> PRT

<213> Artificial/Unknown

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is episilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (14)..(14)

<223> X is episilon-aminocaproic acid

<400> 250

Lys Asp Pro Xaa Thr Gly Arg Thr Gly Xaa Pro Lys Gly Tyr
1 5 10

<210> 251

<211> 13

<212> PRT

<213> Artificial/Unknown

<220>

<221> MOD_RES

<222> (4)..(4)

<223> 4-aminobutyric acid

<400> 251

Lys Asp Pro Xaa Thr Gly Arg Thr Gly Pro Lys Gly Tyr
1 5 10

<210> 252

<211> 13

<212> PRT

<213> Artificial/Unknown

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is 8-aminocaprylic acid

<400> 252

Lys Asp Pro Xaa Thr Gly Arg Thr Gly Pro Lys Gly Tyr
1 5 10

<210> 253

<211> 20

<212> PRT

<213> Artificial/Unknown

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is 4-aminobutyric acid

<220>

<221> MOD_RES

<222> (16)..(16)

<223> X is epsilon-aminocaproic acid

<220>

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<222> (14)..(14)

<223> F is D form

<220>

<221> MOD_RES

<222> (7)..(7)

<223> E is D form

<220>

<221> MOD_RES

<222> (10)..(10)

<223> L is D form

<400> 253

Lys Asp Pro Xaa Gly Ser Glu Val Lys Leu Asp Ala Glu Phe Gly Xaa
 1 5 10 15

Pro Lys Gly Tyr
 20

<210> 254
 <211> 16
 <212> PRT
 <213> Artificial/Unknown

<220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> X is episilon-aminocaproic acid

<220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> X is episilon-aminocaproic acid

<400> 254

Lys Asp Pro Xaa Gly Ile Glu Pro Asp Ser Gly Xaa Pro Lys Gly Tyr
 1 5 10 15

<210> 255
 <211> 18
 <212> PRT
 <213> Artificial/Unknown

<220>
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 <222> (4)..(4)
 <223> X is episilon-aminocaproic acid

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> X is episilon-aminocaproic acid

<400> 255

Lys Asp Pro Xaa Gly Pro Leu Gly Ile Ala Gly Ile Gly Xaa Pro Lys
 1 5 10 15

Gly Tyr

<210> 256
 <211> 19
 <212> PRT

<213> Artificial/Unknown

<220>

<221> MOD_RES

<222> (4)..(4)

<223> X is epsilon-aminocaproic acid

<220>

<221> MOD_RES

<222> (15)..(15)

<223> X is epsilon-aminocaproic acid

<400> 256

Lys Asp Pro Xaa Gly Ser Gln Asn Tyr Pro Ile Val Gln Gly Xaa Pro
1 5 10 15

Lys Gly Tyr

<210> 257

<211> 4

<212> PRT

<213> Artificial/Unknown

<220>

<221> misc_feature

<222> ()..()

<223> Artificial/Unknown = protease binding domain

<400> 257

Gly Gly Gly Gly

1